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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/791,663	03/02/2004	Pierangelo Confalonieri	61180-00006USPX	2725	
23932 75	90 02/08/2005		EXAM	EXAMINER	
JENKENS & GILCHRIST, PC			NGUYEN	NGUYEN, LINH V	
1445 ROSS AV SUITE 3200	ENUE		ART UNIT	PAPER NUMBER	
	DALLAS, TX 75202				
			DATE MAILED: 02/08/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.    10/791,663   CONFALONIERI ET AL.			- Ke				
Examiner Linh V. Nguyen  The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Estancion of time may be available under be precisions at 37 CFR 1.136(a). In or event, however, may a reply be timely filed  If the print of reryls specified above, the maintainum statutory period will stayly and will only an exply to timely (20) days will be considered timely.  If NO period for reply is period above, the maintainum statutory period will stayly and will only a SU (MoNT HS from the mailing date of this communication of the communication of the communication of the stayl the first of the statutory period will stayly and will only a SU (MoNT HS from the mailing date of this communication of the statutory period will stayly and will only a SU (MoNT HS from the mailing date of this communication will be statutory and the mailing date of this communication.  Failute to reply specified above, the maintainum statutory period will stayly and will only an SU (MoNT HS from the mailing date of this communication.  Failute to reply specified above, the maintainum statutory period will stayly and will only an SU (MoNT HS from the mailing date of this communication.  Failute to reply specified above, the maintainum statutory period will stayly and will only stayly (MoNT HS from the mailing date of this communication.  Failute to reply specified will stayly and the statutory period will stayly and will depend and the statutory of the s		Application No.					
Linh V. Nguyen   2819	Office Action Commence	10/791,663	CONFALONIERI ET AL.				
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE £ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Editorion of lines may be available under the provisions of 37 CFR 1.35(a), in no event, however, may a raply be timely filed defended on the provision of 37 CFR 1.35(a), in no event, however, may a raply be timely filed defended on the provision of 37 CFR 1.35(a), and ovent, however, may a raply be timely filed defended on the provision of the provision of 18 CFR 1.35(a), and the statutory minimum of thiny (20) days will be considered timely.  If NO period for raply is specified above, the maximum statutory part of will apply and will expire SN (6) MONTHS from the mailing date of this communication. Provision for provision for the mailing date of this communication, and the provision of the statutory minimum of the mailing date of this communication, even if limely filed, may reduce any search plants it am displacement. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on 02 March 2004  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-25 is/are pending in the application.  4a) Of the above claim(s) is are allowed.  5) Claim(s) is/are allowed.  5) Claim(s) is/are rejected.  7) Claim(s) is/are rejected.  7) Claim(s) is/are rejected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  Application papers  9) The specification is objected to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to by the Examiner.  Application Papers  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action o			.=				
THE MAILLING DATE OF THIS COMMUNICATION.  Edenision from may be variable under the provision of 3°C FR 1.13(6). In no event, however, may a reply be timely filed after SX (6) MONTISS from the mailing date of this communication.  Follow for Fig. 15 (2) MONTISS from the mailing date of this communication.  If NO period for reply is specified above, the maintenine statestory prind which specified with the mailing date of this communication.  Follow to reply within the set of extended period for reply will. by attains, cause the application to become ARANDONED (35 U.S. C, § 133). Any reply received by the Office are than the even months after the mailing date of this communication, even if timely filed, may reduce any events platest term adjustment. See 37 GFR 1.794(b).  Status  1) Responsive to communication(s) filed on <u>02 March 2004</u> .  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1.25 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  5) Claim(s) is/are allowed.  6) Claim(s) 1.25 are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on <u>02 March 2004</u> is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) As one of the certified copies of the priority documents have been received in Application No.  3. Copies of the cer		ears on the cover sheet with the c	correspondence address				
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## Election/Restrictions

1. Group I: Claims 1 – 9, 22 - 25.

Group II: Claims 10 - 12.

Group III: Claims 13 – 21.

2. Inventions Group I, and Group II, III, are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination as claimed 1 and 22 do not require the particular coarse and fine converter with summation and feedback circuit as of subcombination as claimed 10 in Group II, or the combination as claimed 1 and 22 do not required the particular current generators as of subcombination as claimed 13 in group III. The subcombination claims 10 and 13 have separate utility such as claim 10 is claiming for digital analog converter implemented by current generators with selecting and controlling means (classified in 341/153), and claim 13 is claiming for coarse (most significant bit) and fine (least significant bit) digital analog converter with summation and feed back means (classified in 341/145).

Inventions claimed 10 and 13 are related as subcombinations disclosed as usable together in a single combination claimed 1 and 22. The subcombinations are

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distinct from each other if they are shown to be separately usable. In the instant case, 10 is claiming for digital analog converter implemented by current generators with selecting and controlling means (classified in 341/153), and claim 13 is claiming for coarse (most significant bit) and fine (least significant bit) digital analog converter with summation and feed back means (classified in 341/145). See MPEP § 806.05(d).

3. Applicant is advised that the reply to this requirement to be complete must include an election of the invention Group I, or Group II or Group III, to be examined even though the requirement be traversed (37 CFR 1.143).

## **Contact Information**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh Van Nguyen whose telephone number is (571) 272-1810. The examiner can normally be reached from 8:30 – 5:00 Monday-Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Michael Tokar can be reached at (571) 272-1812. The fax phone numbers for the organization where this application or proceeding is assigned are (703-872-9306) for regular communications and (703-872-9306) for After Final communications.

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01/25/05

Linh Van Nguyen

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